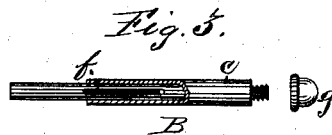
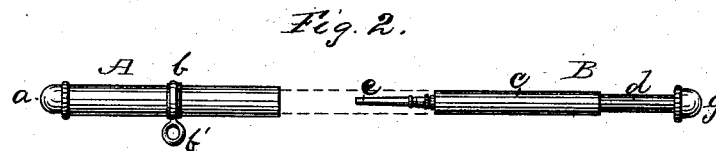
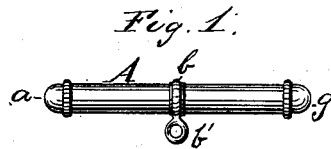


L. W. FAIRCHILD.
Combined Watch-Chain Bar, and Pencil.
No. 219,081. Patented Sept. 2, 1879.



Witnesses
John P. Adams
Nelson

Inventor.
L. W. Fairchild

UNITED STATES PATENT OFFICE.

LEROY W. FAIRCHILD, OF NEW YORK, N. Y.

IMPROVEMENT IN COMBINED WATCH-CHAIN BAR AND PENCIL.

Specification forming part of Letters Patent No. **219,081**, dated September 2, 1879; application filed July 16, 1879.

To all whom it may concern:

Be it known that I, LEROY W. FAIRCHILD, of the city, county, and State of New York, have invented a new and useful Improvement in Watch-Chain Bars Combined with Pencils, of which the following is a specification.

My invention consists of a watch-chain bar or toggle formed of a hollow cylinder, in combination with a metallic-cased telescopic pencil resting within said hollow bar, and capable of being readily detached when required for use.

The pencil is formed in tubular sections of different diameters, and is extended, longitudinally, by the act of its withdrawal from the hollow bar. It is also provided with a receptacle or magazine at the blunt end for lead-points, all as hereinafter particularly described.

Figure 1 represents the chain-bar complete with the pencil inserted. Fig. 2 represents the bar with the pencil detached and extended to full length.

I am aware that metal-cased lead-pencils have heretofore been made and combined with watch-chain bars; but in all prior inventions there have been defects which my invention is intended to remedy or supply. For example, in prior inventions, the pencil, after being withdrawn, required to be extended by manipulation in order to lengthen it sufficiently to be properly and conveniently held and guided in writing. Again, there was no receptacle for a supply of extra lead-points. These defects rendered the pencil of small account practically.

It will be observed that in my combination the pencil-case is drawn to its full length by the act of withdrawing it from its incasement in the hollow bar. It is also provided with a receptacle or magazine for holding a reserve of lead-points.

In order to construct my invention a hollow bar or tube, A, of the requisite diameter and length is provided, and permanently sealed or capped at one end, as shown at *a*. To the middle of this bar a loose ring, *b*, is attached, having an eye, *b'*, by which it is linked to the watch chain or guard. This completes the hollow bar proper.

The pencil-case B is formed of two hollow cylinders of different diameters, the outer section, *c*, being of about two thirds the length of

the inner section, *d*, over which it freely slides to the distance of about one-half its own length, or one-third the length of the inner tube, *d*, this, too, being about the extent of the tapering lead-holding portion of the metal case *c*.

The action of the slide is governed by a stop-pin acting in a slot or track cut through the lower section, *d*, as shown at *f*.

The outer or short section, *c*, is of the right diameter to fit closely the interior of the hollow bar A when shoved into it, and should be there firmly, but not too resistingly, held, so that when the pencil-case is shoved into the hollow bar A it is telescoped to its minimum length, as shown at Fig. 1, while the operation of withdrawing it for use extends it to its full length by means of the properly-regulated resistance of the hollow bar A and the sliding section *c*.

The magazine or lead-point-reserve box is formed at the head or blunt end of the pencil, and is closed by a screw-cap, *g*, which, in general form and appearance, should be made to conform to the fixed cap *a*, and should also be so formed as to afford a hold to withdraw the pencil by.

A very simple and effective mode of construction would be a cap of the circumference of the hollow chain-bar A, with a chased raised rimming, as shown in the drawings. It is obvious, however, that the style and ornamentation may be varied according to the dictates of taste.

I am aware that hollow watch-chain bars carrying a metallic pencil-case have long been in common use; but I am well advised that no combination embracing the distinctive elements of a self extending and contracting telescopic slide in a pencil combined with a hollow chain-bar and carrying a lead-point magazine has ever before been produced.

I claim as my invention—

The hollow chain-bar A, in combination with the detachable pencil-case B, constructed in telescopic tubular sections, which are extended to their full capacity by the operation of withdrawing the pencil from the case, and retracted by returning it thereto without further manipulation, substantially as and for the purpose hereinbefore described.

LEROY W. FAIRCHILD.

Witnesses:

NELSON CROSS,
A. A. BRITTON.